Southern Nuclear

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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
ITAAC Closure Notification on Completion of ITAAC 2.2.01.11b [Index Number 118]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.2.01.11b [Index Number 118], for verifying each remotely operated valve in Table 2.2.1-1 assumes the indicated loss of motive power position. The closure process for this ITAAC is based on the guidance described in NEI 08-01, “Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52”, which is endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,

Jamie Coleman

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Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.2.01.11b [Index Number 118]

JMC/MKO/sfr

cc: Regional Administrator, Region ll
Director, Office of Nuclear Reactor Regulation (NRR)
Director, Vogtle Project Office NRR
Senior Resident Inspector – Vogtle 3 & 4

Southern Nuclear Operating Company
ND-23-0239
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.2.01.11b [Index Number 118]

ITAAC Statement

Design Commitment

11.b) After loss of motive power, the remotely operated valves identified in Table 2.2.1-1 assume the indicated loss of motive power position.

Inspections/Tests/Analyses

Testing of the remotely operated valves will be performed under the conditions of loss of motive power.

Acceptance Criteria

After loss of motive power, each remotely operated valve identified in Table 2.2.1-1 assumes the indicated loss of motive power position.

ITAAC Determination Basis

Testing was performed under the conditions of loss of motive power to verify the remotely operated valves identified in Table 2.2.1-1 of the Combined License (COL) Appendix C, (Attachment A), assume the indicated loss of motive power position. The testing verified that the valves in Attachment A assume the indicated loss of motive power position.

The testing was performed as listed in References 1 through 6 for the Containment System (CNS) valves identified in Attachment A under the conditions of loss of motive power. The air-operated valves (AOVs) were placed into the open position, verified to be open locally then power was removed from the solenoid valve supplying air to the valve actuator which removed motive power to the valve. The valve position of each of the valves was verified to Close locally. References 2 through 4 verified each Motor Operated Valve (MOV) locally to be in the Open position. Each MOV was stroked Closed by using the valve control circuit to deenergize the contactors, which removed motive power from the valve when the Closed position was reached. This loss of power caused by valve control circuit demonstrated that each MOV failed "As-ls" (Closed) when motive power was removed. Actual valve position was verified locally. Each MOV was also stroked Open by using the valve control circuit to de-energize the contactors, which removed motive power from the valve when the Open position was reached. This loss of power caused by the valve control circuit demonstrated that each MOV failed "As-ls" (Open) when motive power was removed. Actual valve position was verified locally. The results of the testing were documented in ITAAC Technical Reports (References 1 through 6).

The completed Unit 4 test results (References 1-6) confirm that each remotely operated Containment isolation valve identified in Attachment A assumed the indicated loss of motive power position.

References 1 through 6 are available for NRC inspection as part of the Unit 4 ITAAC 2.2.01.11b Completion Package (Reference 7).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all findings pertaining to the subject ITAAC and associated corrective actions. This review found there were no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 2.2.01.11b (Reference 7) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.2.01.11b was performed for VEGP Unit 4 and that the prescribed acceptance criteria were met.

Systems, structures, and components verified as part of this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

References (available for NRC inspection)

1. SV4-CNS-ITR-800118 Rev. 0, “Unit 4 Test Results for CAS Containment Isolation Valve – Loss of Motive Power Testing: ITAAC 2.2.01.11b”
2. SV4-CNS-ITR-801118 Rev. 0, “Unit 4 Test Results for CCS Containment Isolation Valve – Loss of Motive Power Testing: ITAAC 2.2.01.11b”
3. SV4-CNS-ITR-802118 Rev. 0, “Unit 4 Test Results for SFS Containment Isolation Valve – Loss of Motive Power Testing: ITAAC 2.2.01.11b”
4. SV4-CNS-ITR-803118 Rev. 0, “Unit 4 Test Results for VFS Containment Isolation Valve – Loss of Motive Power Testing: ITAAC 2.2.01.11b”
5. SV4-CNS-ITR-804118 Rev. 0, “Unit 4 Test Results for VWS Containment Isolation Valve – Loss of Motive Power Testing: ITAAC 2.2.01.11b”
6. SV4-CNS-ITR-805118 Rev. 0, “Unit 4 Test Results for WLS Containment Isolation Valve – Loss of Motive Power Testing: ITAAC 2.2.01.11b”
7. 2.2.01.11b-U4-CP-Rev0, ITAAC Completion Package

Attachment A

CNS Remotely Operated Valves

* Excerpt from COL Appendix C Table 2.2.1-1

Equipment Name*	Tag No.*	Remotely Operated Valve*	Loss of Motive Power Position*	Valve Type
Instrument Air Supply Outside Containment Isolation Valve	CAS-PL-V014	Yes	Closed	AOV
Component Cooling Water System (CCS) Containment Isolation Motor-operated Valve (MOV) – Inlet Line Outside Reactor Containment (ORC)	CCS-PL-V200	Yes	As Is	MOV
CCS Containment Isolation MOV – Outlet Line IRC	CCS-PL-V207	Yes	As Is	MOV
CCS Containment Isolation MOV – Outlet Line ORC	CCS-PL-V208	Yes	As Is	MOV
SFS Discharge Line Containment Isolation MOV – ORC	SFS-PL-V038	Yes	As Is	MOV
SFS Suction Line Containment Isolation MOV – IRC	SFS-PL-V034	Yes	As Is	MOV
SFS Suction Line Containment Isolation MOV – ORC	SFS-PL-V035	Yes	As Is	MOV
Containment Purge Inlet Containment Isolation Valve – ORC	VFS-PL-V003	Yes	Closed	AOV
Containment Purge Inlet Containment Isolation Valve – IRC	VFS-PL-V004	Yes	Closed	AOV
Containment Purge Discharge Containment Isolation Valve – IRC	VFS-PL-V009	Yes	Closed	AOV
Containment Purge Discharge Containment Isolation Valve – ORC	VFS-PL-V010	Yes	Closed	AOV
Vacuum Relief Containment Isolation A MOV – ORC	VFS-PL-V800A	Yes	As Is	MOV
Vacuum Relief Containment Isolation B MOV – ORC	VFS-PL-V800B	Yes	As Is	MOV
Fan Coolers Return Containment Isolation Valve – IRC	VWS-PL-V082	Yes	Closed	AOV
Fan Coolers Return Containment Isolation Valve – ORC	VWS-PL-V086	Yes	Closed	AOV
Fan Coolers Supply Containment Isolation Valve – ORC	VWS-PL-V058	Yes	Closed	AOV

Attachment A

CNS Remotely Operated Valves

* Excerpt from COL Appendix C Table 2.2.1-1

Equipment Name*	**Tag No.***	**Remotely Operated Valve***	**Loss of Motive Power Position***	**Valve Type**
Reactor Coolant Drain Tank (RCDT) Gas Outlet Containment Isolation Valve – IRC	WLS-PL-V067	Yes	Closed	AOV
RCDT Gas Outlet Containment Isolation Valve – ORC	WLS-PL-V068	Yes	Closed	AOV
Sump Discharge Containment Isolation Valve – IRC	WLS-PL-V055	Yes	Closed	AOV
Sump Discharge Containment Isolation Valve – ORC	WLS-PL-V057	Yes	Closed	AOV